

# **Gahanna Division of Police**

Jeffrey B. Spence, Chief of Police



**Field Services Subdivision**

**Traffic Survey**

**Rice Avenue 07-16-21 to 07-22-21**

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460 Rocky Fork Blvd.

Gahanna, Ohio 43230

614-342-4240

[WWW.GAHANNA.GOV](http://WWW.GAHANNA.GOV)

**Survey Device:** Speed Monitoring and Notification Device (SMND) # 1102

**Survey Operator:** Lt. Ethan Moffitt # L-58

**Device Location:** Rice Avenue, between Spruce Hill Drive and Taylor Road

**Device Direction:** Facing southbound traffic (approaching Taylor Road Road)

**Speed Limit:** 25 MPH

**Survey Dates:** 07-16-21 to 07-22-21

**Survey Reason:** Resident complaint/request for speed mitigation

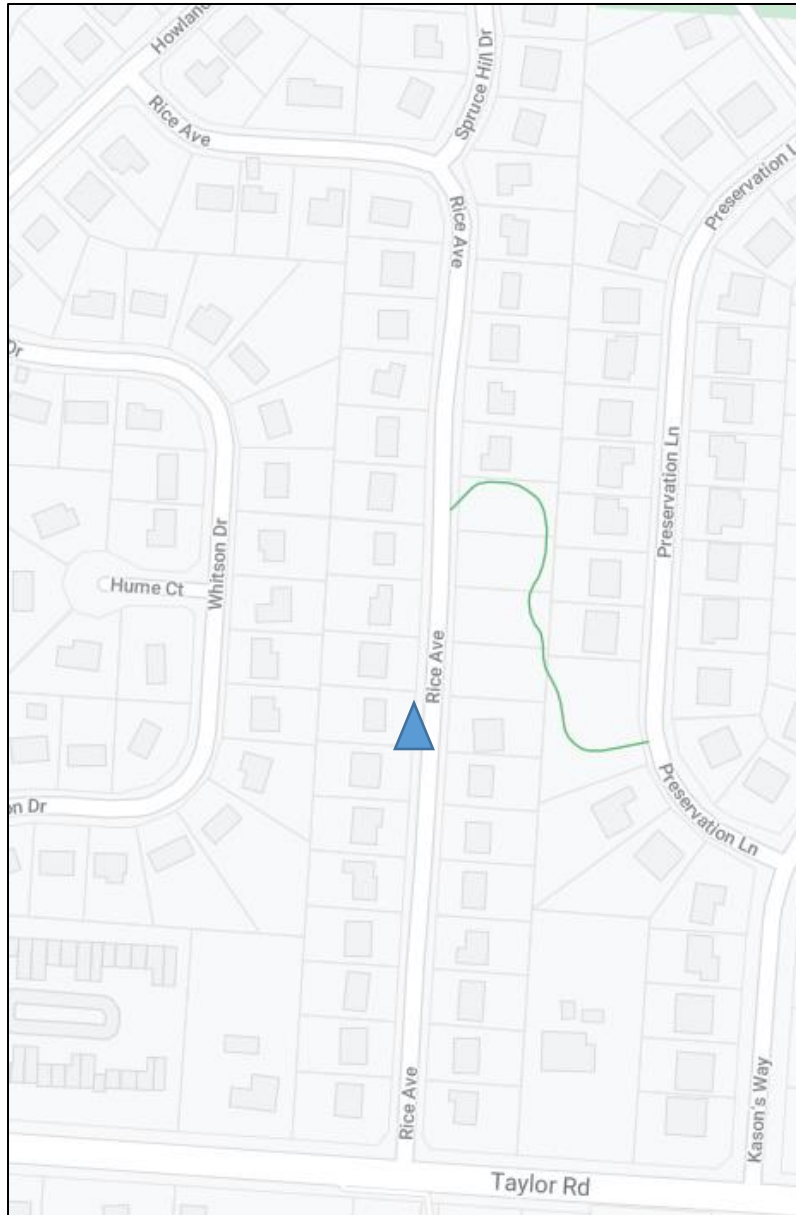
### **Summary –**

On 07-16-21 SMND # 1102 was deployed on Rice Avenue, a location associated with previous community reports of excessive speed. The device was deployed in order to provide a continuous speed mitigation presence.

The SMND recorded the speed of 5,713 vehicles (combined southbound and northbound traffic). Of those, 2,373, or 42%, were traveling in excess of the posted speed limit and 3,340 or 58%, were traveling below the speed limit. The average speed of vehicles traveling in excess of the posted limit was just under 29 MPH. The overall average speed (both over-limit and under-limit vehicles) was approximately 24 MPH. The 85th percentile speed was 29 MPH, meaning that 85% of the vehicles were traveling at a speed of 29 MPH or less.

123 vehicles, or 2%, were traveling at speed of 35 MPH or higher (at least 10 over the posted limit). Vehicles traveling at 10 over the limit accounted for 5% of the vehicles traveling in excess of the posted limit (2,373). Conversely, 2,250 of the over-limit vehicles, or almost 95%, were traveling at speed of 34 MPH or less.

The survey results indicate that there was substantial compliance with the speed limit during the time the monitoring device was deployed. Officers will continue to conduct routine/periodic patrols of the area.

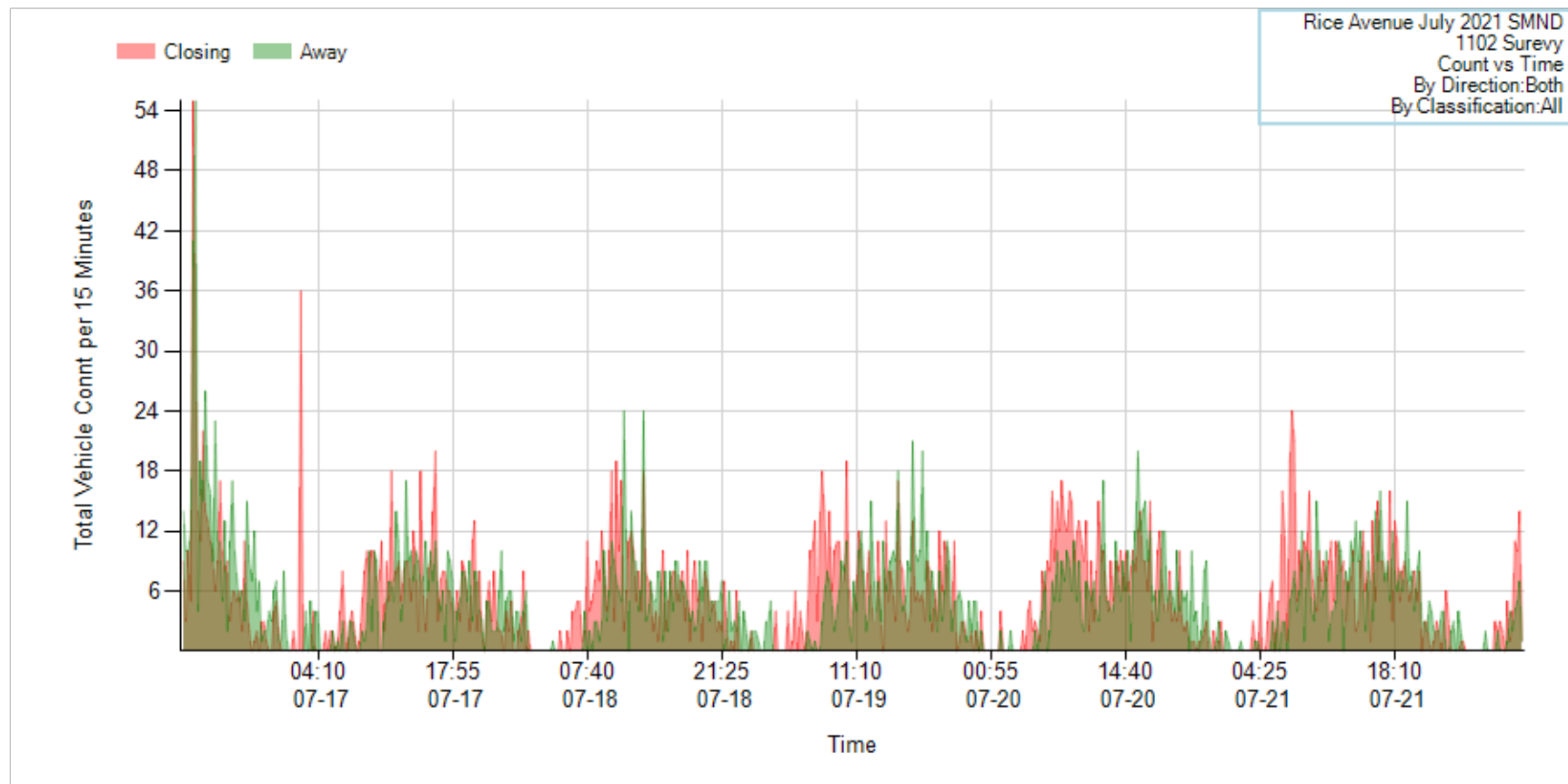




## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Count vs. Time



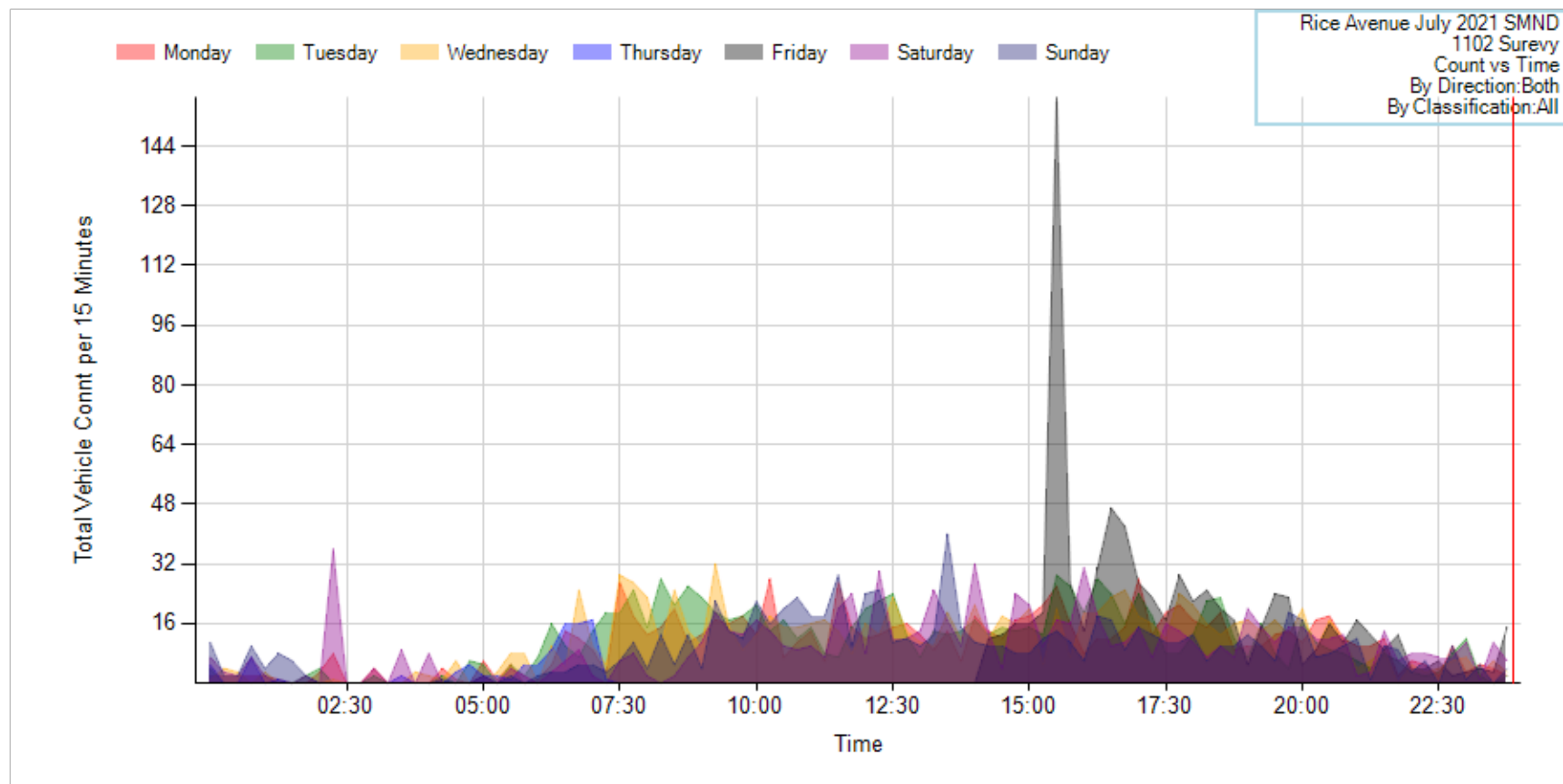
Survey Name	Rice Avenue July 2021	Speed Unit	Miles/Hour	Average Speed	23.8	MPH	Total Volume	5713	100%
Start Date	2021-07-16	Speed Limit	25	Max Speed	74	MPH	Over Limit Count	2373	41.5%
Stop Date	2021-07-22			Min Speed	10	MPH	Under Limit Count	3340	58.5%
				85th Percentile	29	MPH	Over Threshold Count	123	2%
				10 MPH Pace	19 - 28	MPH	In Pace Count	3764	65.9%



## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Weekly Count vs. Time



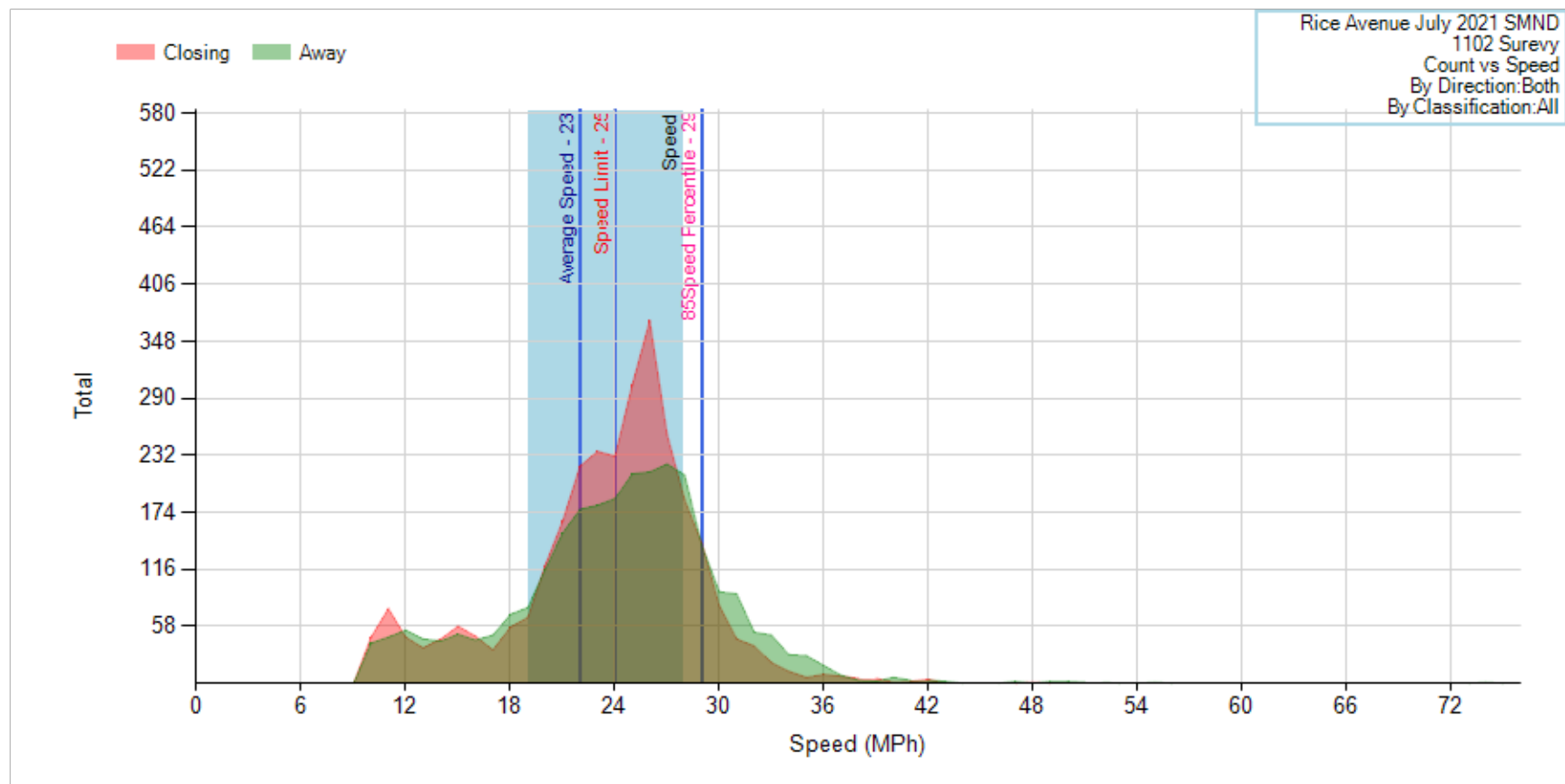
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## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Count vs. Speed



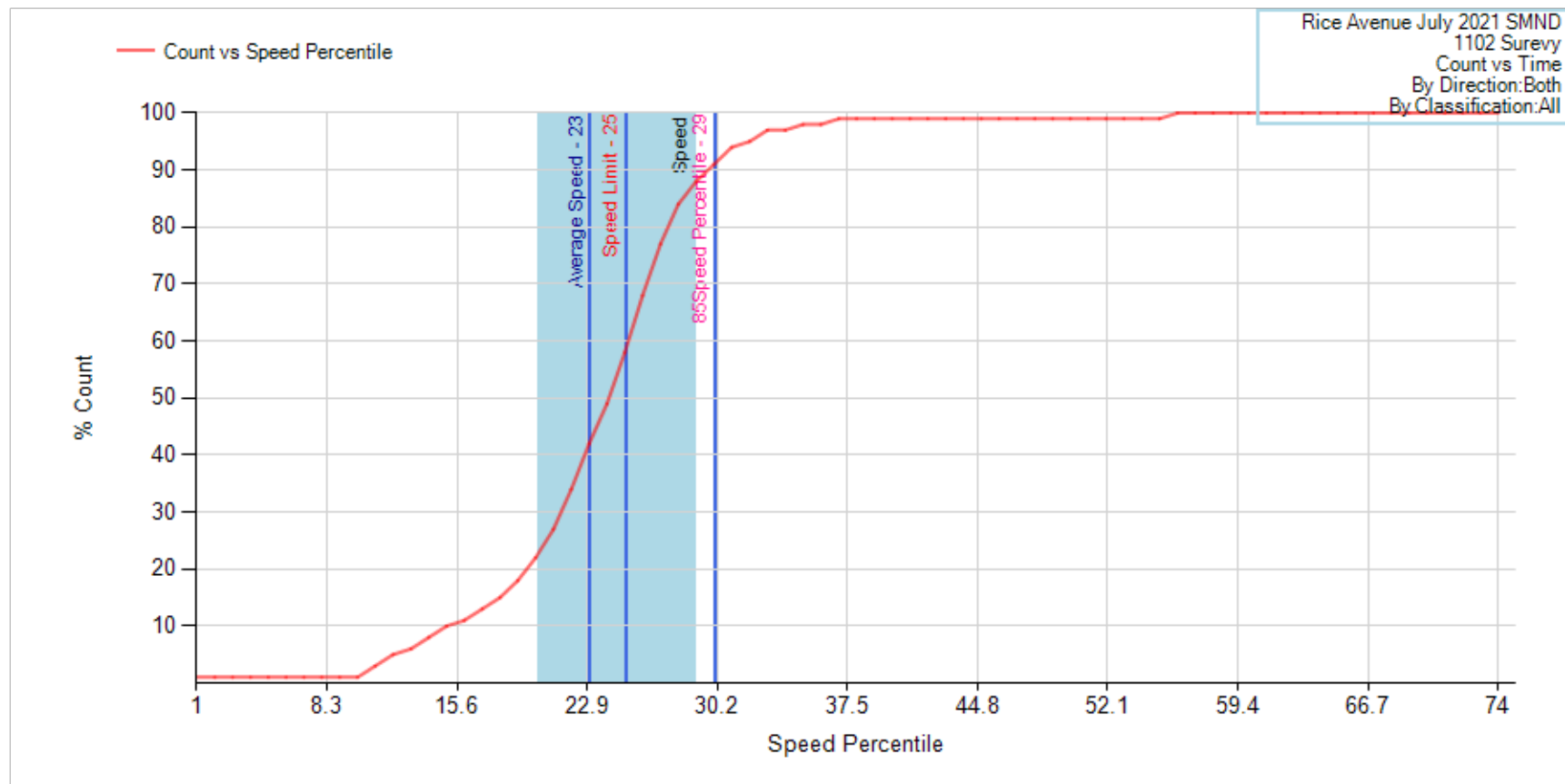
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## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Percentile Chart



Survey Name	Rice Avenue July 2021 S	Speed Unit	Miles/Hour	Average Speed	23.8	MPH	Total Volume	5713	100%
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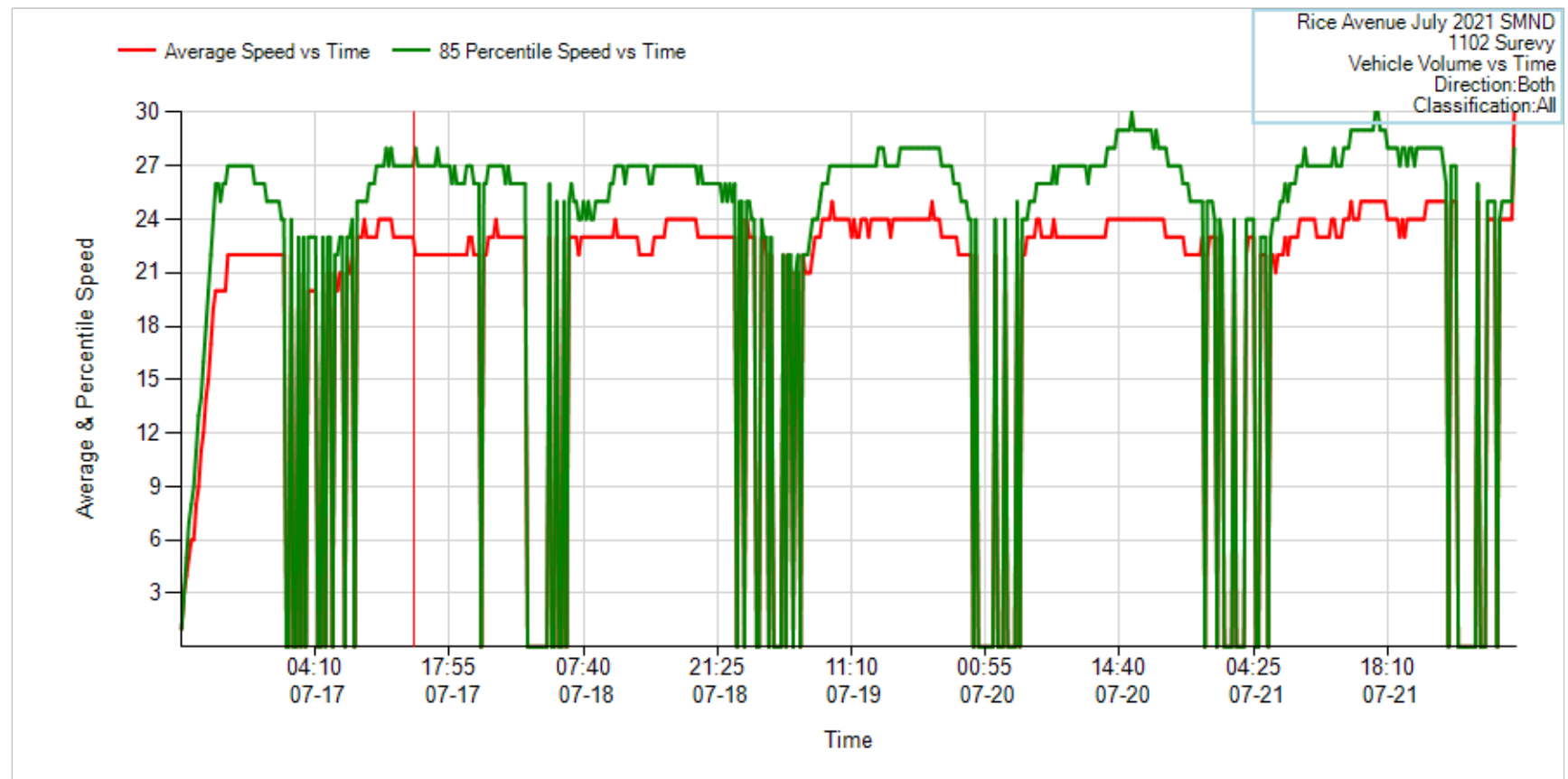




## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Average Speed vs. Time



Survey Name	Rice Avenue July 2021	Speed Unit	Miles/Hour	Average Speed	23.8	MPH	Total Volume	5713	100%
Start Date	2021-07-16	Speed Limit	25	Max Speed	74	MPH	Over Limit Count	2373	41.5%
Stop Date	2021-07-22			Min Speed	10	MPH	Under Limit Count	3340	58.5%
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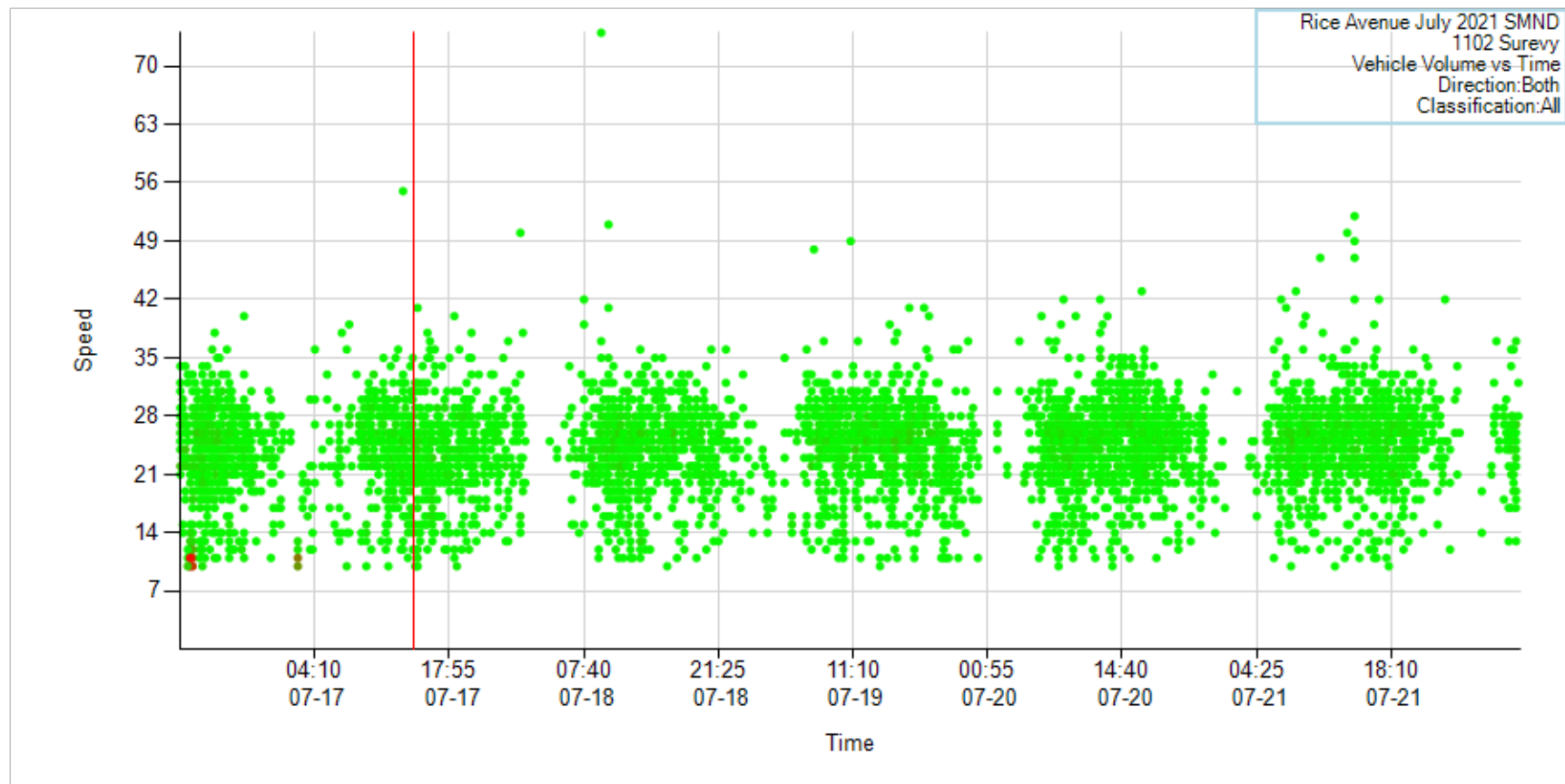




## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Speed vs. Time Bubble Chart



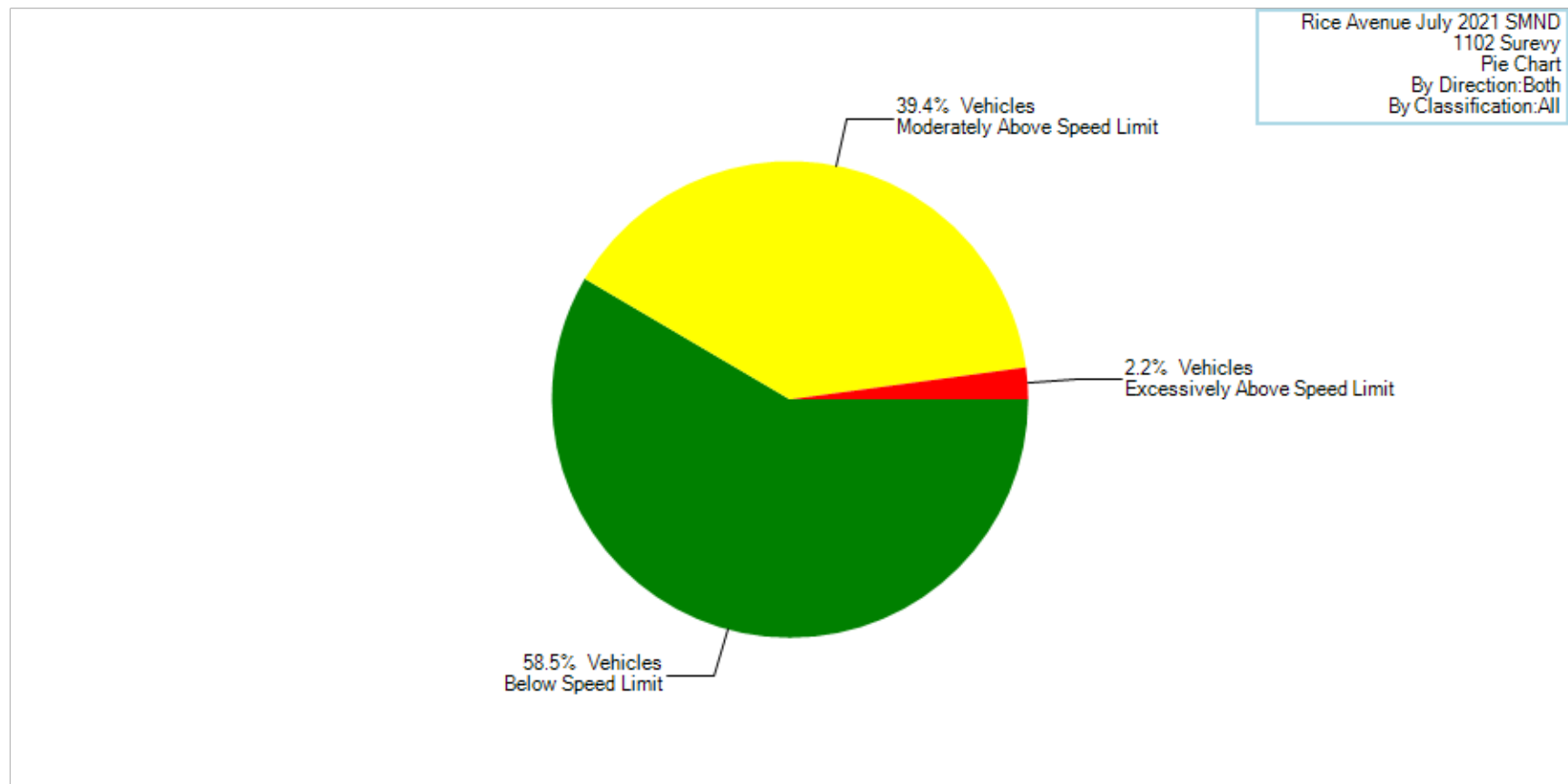
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## GAHANNA DIVISION OF POLICE RICE AVENUE - JULY 2021 SPEED SURVEY



Enforcement Chart



Survey Name	Rice Avenue July 2021 S	Speed Unit	Miles/Hour	Average Speed	23.8	MPH	Total Volume	5713	100%
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Stop Date	2021-07-22			Min Speed	10	MPH	Under Limit Count	3340	58.5%
				85th Percentile	29	MPH	Over Threshold Count	123	2%
				10 MPH Pace	19 - 28	MPH	In Pace Count	3764	65.9%

# GAHANNA DIVISION OF POLICE

## RICE AVENUE - JULY 2021 SPEED SURVEY

Survey Name	Rice Avenue July 2021 SMN...	Location	1205 Rice Avenue,Gahanna....	Speed Unit	Miles/Hour
Start	2021-07-16 14:25	Traffic Direction	Undefined	Speed Limit	25
Stop	2021-07-22 07:15	Zone	Normal	Min Speed Threshold	10
Operator	000	Min Following Time	0.0	Max Speed Threshold	120
Survey Direction	Both	Time Resolution	1	Speed Resolution	1

Total Vehicle Connt	5713	100%	Average Speed	23.8	MPH	In Pace Count	3764	65%
Under Limit Count	3340	58%	Minimum Speed	10	MPH	10 mph Pace	19 - 28	MPH
Over Limit Count	2373	42%	Maximum Speed	74	MPH	Standard Deviation	5	MPH
10 Over Limit Count	123	2%	85Speed Percentile	29	MPH	Average Speed Over Limit	28.7	MPH



## Survey Report Quick Guide/Reference

### Over Threshold Count

The default threshold (amount over the posted speed limit) is 10 MPH. The **Over Threshold Count** is the number of vehicles traveling in excess of the selected threshold. For example, if the threshold is set at the 10 MPH default, this would indicate the number of vehicles (within the Total Volume) that were traveling at 10 MPH over the posted limited.

### Count vs. Time

The **Count vs Time Chart** shows the number of vehicles per unit of time traveling on the monitored roadway.

### Weekly Count vs. Time Chart

The **Weekly Count vs. Time Chart** mode shows the vehicle count per day over a 7-day period. If the survey period extends beyond one 7- day week, the values of each overlapped week day will be the average values for those overlapped week days.

### Count vs. Speed Chart

The **Count vs. Speed Chart** selection shows the total vehicle count for each speed group. The size of the speed group can be set by the operator (**Speed Resolution** selection in the **Analysis Control**).

### Percentile Chart

The **Percentile Chart** shows the cumulative percentage of vehicles that are at or below a given speed

### Average Speed vs. Time Chart

The **Average Speed vs. Time Chart** shows the average and the 85<sup>th</sup> Percentile Speeds of the vehicles over time.

### Speed vs. Time Bubble Chart

The **Speed vs. Time Bubble Chart** plots both vehicle speed and volume against time. The size of the bubble represents the number of cars at a particular speed group at a particular time. This chart is useful in showing traffic bunching.

### Average Speed

The average speed of all vehicles

### 85Speed Percentile

The speed at which 85% of the traffic was traveling **at or less than**. The 85<sup>th</sup> percentile is considered to be a key metric because it is generally considered to representative of prevailing traffic conditions (the speed vehicles on the roadway are going most of the time).